BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Construction of Toilets & Reparies to BBMP Shops at Attur Layout Main Road in Attur Ward no - 04 of Yelahanka Satellite town sub division

								Estimate Cost	2500000
Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
I	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m (PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.2)								
	FOOTING								
	CI	Cum	6	1.0	1.0	2.1	12.6		
	SSM Excavation								
	Long wall	Cum	3	5.25	0.75	0.9	10.63		
	short wall	Cum	2	3.60	0.75	0.9	4.86		
	Sump	Cum	1	3.3	3.3	2.1	22.869		
	Basic rate							199.00	
	Area weightage 10%							19.9	
	Total						**50.96**	**218.9**	**11155.2**
2	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. (PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 6.4)								
	CI	Cum	6	1.0	1.0	0.10	0.6		
	Sump	Cum	1	3.3	3.3	0.30	3.267		
	Basic rate							2561.00	
	Area weightage 10%							256.1	
	Total						**3.87**	**2817.1**	**10893.73**
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.Specification (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)								
	Footings								
	CI	Cum	6	1.0	1.0	0.15	0.9		
	SSM below								
	Long wall	Cum	3	5.65	0.75	0.15	1.91		
	short wall	Cum	2	5.00	0.75	0.15	1.13		
	Sump	Cum	1	3.3	3.3	0.15	1.63		
	Cobble Stone								
		Cum	1	27.5	3.5	0.15	14.4375		
		Cum	1	14	3.2	0.15	6.72		
		Cum	1	17.8	2.1	0.15	5.607		
	Below Tiles	Cum	5	1.2	1.5	0.10	0.9		
		Cum	1	1.3	1.5	0.10	0.195		
	Basic rate							5554.00	
	Area weightage 10%							555.4	
	Total						**33.42**	**6109.4**	**204205.93**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
4	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.1)								
	Above SSM								
	Long wall	Cum	3	5.65	0.45	0.15	1.14		
	short wall	Cum	2	5.00	0.45	0.15	0.68		
	Basic rate							5880.00	
	Area weightage 10%							588	
	Total						**1.82**	**6468**	**11766.1**
5	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Vol 2/ P No-9/ I no- 5.4 of PWD SR 2021-22)								
	SSM Footing								
	Below GL								
	Long wall	Cum	3	5.65	0.45	0.75	5.72		
	short wall	Cum	2	5.00	0.45	0.75	3.38		
	Basic rate							5352.00	
	Area weightage 10%							535.2	
	Total						**9.10**	**5887.2**	**53547.76**
6	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. ((PWD SR 2021-22 Vol- 1 P.No -7 / I.No -1.9)								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum	From Item No. 1				50.96		
	PCC for Footing	Cum	From Item No. 3&4				-35.24		
	Filling in foundation with granite / trap broken metal	Cum	From Item No. 2				-3.87		
	SSM Footing	Cum	From Item No. 5				-9.10		
	Footing Concrete Quantity	Cum	From Item No. 11				-1.80		
	Basic rate							204.00	
	Area weightage 10%							20.4	
	Total						**0.95**	**224.40**	**213.99**
7	**Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum.** (Tipper 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C)								
	Excavated Earth	Cum					50.96		
	Filling Available of Excavated Earth						-0.95		
	Basic rate							74.00	
	Area weightage 10%							7.40	
	Total						**50.01**	**81.40**	**4070.54**
8	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A)								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		t.Km		50.01		1.280	64.0085		
	Basic rate							12.00	
	8Km 12*8							96.00	
	Area weightage 10%							9.60	
	Total						**64.01**	**105.60**	**6759.30**
9	Providing and laying in position Reinforced cement concrete for all **Sub structures of building,** Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.4.3 of PWD SR 2021-22)								
	Footings								
	C1	Cum	6	1.0	1.0	0.3	1.80		
	Coloumn up to plinth beam	Cum	6	0.2	0.3	1.6	0.56		
	Plinth Beam								
	Longer span	Cum	3	6.25	0.2	0.30	1.13		
	Shorter Span	Cum	2	5.6	0.2	0.30	0.67		
	For sump								
	Bottom slab	Cum	1	3.30	3.30	0.20	2.18		
	Sump walls	Cum	2	3.30	0.20	1.50	1.98		
		Cum	2	3.00	0.20	1.50	1.80		
	Cover slab	Cum	1	3.00	3.30	0.20	1.98		
	Deduction								
	Opening	Cum	-1	1.00	1.00	0.20	-0.20		
	Basic rate							5992.00	
	Add 8% For Shuttering							479.36	
	Sub Total							**6471.36**	
	Area weightage 10%							647.14	
	Total						**11.893**	**7118.50**	**84660.27**
10	Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22								
	Column	Cum	6	0.2	0.3	2.9	1.04		
	Basic rate							6186.00	
	Add 10% for Shuttering							618.60	
	Sub total							6804.60	
	Area weightage 10%							680.46	
	Total						**1.04**	**7485.06**	**7814.40**
	Lintels over main wall								
	Through lintels								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Longer span	Cum	2	5.65	0.2	0.2	0.452		
		Cum	1	4.40	0.2	0.2	0.176		
	Shorter Span	Cum	2	5.00	0.2	0.2	0.40		
	Lintels over partition wall								
		Cum	1	4.80	0.1	0.2	0.10		
		Cum	1	2.60	0.1	0.2	0.05		
		Cum	3	2.40	0.1	0.2	0.14		
	Deduction								
	Opening	Cum	-1	2.80	0.1	0.2	-0.06		
	Basic rate							6186.00	
	Add 20% for Shuttering							1237.20	
	Sub total							7423.20	
	Area weightage 10%							742.32	
	Total						**1.26**	**8165.52**	**10321.22**
	Roof Slab	Cum	1	5.6	6.25	0.15	5.25		
	Basic rate							6186.00	
	Add 20% for Shuttering							1237.20	
	Sub total							7423.20	
	Area weightage 10%							742.32	
	Total						**5.25**	**8165.52**	**42868.98**
	BEAM								
	Longer Span	Cum	2	5.65	0.2	0.3	0.678		
		Cum	1	4.40	0.2	0.3	0.264		
	Shorter Span	Cum	2	5.00	0.2	0.3	0.6		
	Basic rate							6186.00	
	Add 20% for Shuttering							1237.20	
	Sub total							7423.20	
	Area weightage 10%							742.32	
	Total						**1.54**	**8165.52**	**12591.23**
11	Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Vol- 2 P.No. 84/I.No. 11.32 of PWD SR 2021-22 1st Corrigenda)								
	Footing	Cum	Concrete Quantity				1.80		
		kg	Steel assumed 100 Kg/Cum of Concrete				180.0		
	Plinth beam	Cum	Concrete Quantity				1.80		
		kg	Steel assumed 150 Kg/Cum of Concrete				269.55		
	Column	Cum	Concrete Quantity				1.60		
		kg	Steel assumed 150 Kg/Cum of Concrete				240.30		
	Lintels	Cum	Concrete Quantity				1.26		
		kg	Steel assumed 100 Kg/Cum of Concrete				126.40		
	Roof Slab	Cum	Concrete Quantity				5.25		
		kg	Steel assumed 100 Kg/Cum of Concrete				525.00		
	Beam	Cum	Concrete Quantity				1.54		
		kg	Steel assumed 150 Kg/Cum of Concrete				231.3		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Sump	Cum					7.94		
		kg	Steel assumed 130 Kg/Cum of				1031.94		
	Basic rate							96.00	
	Area weightage 10%							9.60	
	Total						**2604.5**	**105.60**	**275034.14**
12	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. (Vol 2/ P No-17/ I no- 6.32 of PWD SR 2021-22)								
	Long wall	Sqm	2	5.65		2.9	32.77		
		Sqm	1	4.40		2.9			
	Short wall	Sqm	2	5.00		2.9	29		
	Deduction								
	Through Ventilator(V)	Sqm	-2	0.75		0.6	-0.9		
	Opening	Sqm	-1	2.8		2.1	-5.88		
	Lintels	Sqm	-2	5.65		0.2	-2.26		
		Sqm	-1	4.4		0.2	-0.88		
		Sqm	-2	5		0.2	-2		
	Basic rate							1196.00	
	Area weightage 10%							119.60	
	Total						**49.85**	**1315.6**	**65582.66**
13	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. (Vol 2/ P No-17/ I no- 6.34 of PWD SR 2021-22)								
	Gents Toilet								
	Long Wall	Sqm	1	3.2		2.9	9.28		
	Short wall	Sqm	3	1.2		2.9	10.44		
	Ladies toilet								
	Long Wall	Sqm	1	4.8		2.9	13.92		
	Short Wall	Sqm	3	1.2		2.9	10.44		
	Deductions								
	D1	Sqm	-5	0.75		2.1	-7.88		
	Basic rate							940.00	
	Area weightage 10%							94.00	
	Total						**36.2**	**1034.0**	**37436.0**
14	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - 1) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.(Vol 2/ P No-17/ I no- 6.33 of PWD SR 2021-22)								
	Parapet wall								
	long wall	Sqm	2	6.25		1.2	15		
	short wall	Sqm	2	5.6		1.2	13.44		
	Basic rate							1061.00	
	Area weightage 10%							106.1	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total						**28.44**	**1167.10**	**33192.324**
15	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 42 item no 8.9								
	External Plastering								
	Long wall	Sqm	2	6.25		3.2	40		
	Short wall	Sqm	2	5.6		3.2	35.84		
	Deductions								
	Through Ventilator(V)								
		Sqm	-2	0.75		0.6	-0.9		
	Opening	Sqm	-1	2.8		2.1	-5.88		
	Parapet								
	long wall	Sqm	4	6.25		1.2	30		
	short wall	Sqm	4	5.6		1.2	26.88		
	Basic rate							322.00	
	Area weightage 10%							32.2	
	Total						**125.94**	**354.20**	**44607.948**
16	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .(PWD SR 2021-22 Vol -II Pg 41 item no 8.4.2)								
	Internal Plastering								
	long Wall	Sqm	2	5.85		3.05	35.685		
	short Wall	Sqm	2	5.2		3.05	31.72		
	Gents Toilet								
	WC	Sqm	1	3.2		3.05	9.76		
		Sqm	1	3		3.05	9.15		
		Sqm	1	4.7		3.05	14.335		
		Sqm	3	1.2		3.05	10.98		
	Urinials area	Sqm	3	1.3		3.05	11.895		
	Ladies Toilet								
	WC	Sqm	3	4.8		3.05	43.92		
	WC	Sqm	6	1.2		3.05	21.96		
	Ceiling plastering	Sqm	1	5.85	5.2		30.42		
	Deductions								
	opening	Sqm	-1	2.8		2.10	-5.88		
	Ventilators	Sqm	-2	0.75		0.60	-0.9		
	D2	Sqm	-10	0.75		2.10	-15.75		
	Basic rate							262.00	
	Area weightage 10%							26.20	
	Total						**197.295**	**288.2**	**56860.419**
17	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(PWD SR 2021-22 Vol -II Pg 50 item no 8.51)								
	Internal Plastering	Sqm	1	same as inside plastered walls and ceiling			197.30		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate							83.00	
	Area weightage 10%							8.3	
	Total						**197.295**	**91.3**	**18013.03**
18	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 48 item no 8.40)								
	Internal Painting	Sqm	Same as inside plastering				197.30		
	BBMP Shops								
	Ground Floor								
	Shop 1	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
	Sealing paint	Sqm	1	3.95	3.3		13.035		
	Shop 2	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 3	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 4	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 5	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 6	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 7	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 8	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Stair Case Room								
		Sqm	2	4.30		3.00	25.8		
		Sqm	2	3.00		3.00	18		
	Floor 2	Sqm							
	Shop 1	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 2	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 3	Sqm	2	3.95		3	23.7		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 4	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 5	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 6	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 7	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Shop 8	Sqm	2	3.95		3	23.7		
		Sqm	2	3.3		3	19.8		
		Sqm	1	3.95	3.3		13.035		
	Stair Case Room								
		Sqm	2	4.30		3.00	25.8		
		Sqm	2	3.00		3.00	18		
	Deducation								
	Rolling shutter	Sqm	-8	2.40		2.25	-43.2		
	MD	Sqm	-1	3.00		2.10	-6.3		
	V	Sqm	-8	0.45		0.45	-1.62		
	Basic rate							90.00	
	Area weightage 10%							9.00	
	Total						**1138.34**	**99.00**	**112695.17**
19	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications.(PWD SR 2021-22 Vol -II Pg 46 item no 8.31)								
	External painting								
	Ground Floor	Sqm	Same as External plastering				125.94		
	BBMP Shops								
		Sqm	2	29.7		3.12	185.328		
		Sqm	2	4.5		3.12	28.08		
	Floor 1								
		Sqm	2	29.7		3.12	185.328		
		Sqm	2	4.5		3.12	28.08		
	Chejja	Sqm	4	29.7	0.45		53.46		
	front Chejja	Sqm	4	29.7	1.8		213.84		
	Deducation								
	Rolling shutter	Sqm	-8	2.40		2.25	-43.2		
	MD	Sqm	-1	3.00		2.10	-6.3		
	V	Sqm	-8	0.45		0.45	-1.62		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate							132.00	
	Area weightage 10%							13.2	
	Total						**768.94**	**145.2**	**111649.51**
20	Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge. (PWD SR 2021-22 Vol -II Pg 59 item no 9.2)								
	Hardner Concrete								
	W C	Sqm	1	1.2	1.5		1.8		
	ladies bath/WC	Sqm	1	1.2	1.5		1.8		
	gents urinals	Sqm	1	1.3	1.5		1.95		
	gents toilet	Sqm	1	1.2	1.5		1.8		
	ladies toilet	Sqm	2	1.2	1.5		3.6		
	gents toillet passage	Sqm	1	1.2	5.85		7.02		
	ladies toilet passage	Sqm	1	1.2	5.85		7.02		
	entrance	Sqm	1	2.8	1.05		2.94		
	Basic rate							705.00	
	Area weightage 10%							70.5	
	Total						**27.93**	**775.5**	**21659.72**
21	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per m2 including pointing in white cement mixed with pigment of matching shade complete..(PWD SR 2021-22 Vol -II Pg 60 item no 9.10)								
	Ceramic tiles								
	W C	Sqm	1	1.2	1.5		1.8		
	gents toilet	Sqm	1	1.2	1.5		1.8		
	gents urinals	Sqm	1	1.3	1.5		1.95		
	ladies WC	Sqm	1	1.2	1.5		1.8		
	ladies toilet	Sqm	2	1.2	1.5		3.6		
	gents toillet passage	Sqm	1	1.2	5.85		7.02		
	ladies toilet passage	Sqm	1	1.2	5.85		7.02		
	entrance	Sqm	1	2.8	1.05		2.94		
	Basic Rate							620.00	
	Area weightage 10%							62.00	
	Total						**27.93**	**682.00**	**19048.26**
22	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.(PWD SR 2021-22 Vol -II Pg 65 item no 9.39)								
	Wall Cladding								
	Short wall								
		Sqm	1	4.8		2.1	10.08		
		Sqm	1	5.2		2.1	10.92		
		Sqm	10	1.2		2.1	25.2		
		Sqm	1	2.8		2.1	5.88		
	long wall								
		Sqm	2	5.85		2.1	24.57		
		Sqm	2	4.80		2.1	20.16		
		Sqm	4	4.50		2.1	37.8		

l lo	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	V	Sqm	-2	0.75		0.6	-0.9		
	D2	Sqm	-5	0.7		2.1	-7.35		
	opening	Sqm	-1	2.8		2.1	-5.88		
	Basic Rate							1037.00	
	Area weightage 10%							103.7	
	Total						**120.48**	**1140.70**	**137431.54**
23	Providing Mathi/Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.(PWD SR 2021-22 Vol -II Pg 100 item no 12.12)								
	D	Cum	2	6	0.125	0.1	0.15		
	Basic rate							75344.00	
	Area weightage 10%							7534.40	
	Total						**0.15**	**82878.4**	**12431.76**
24	Providing and fixing in position fully panelled Matti/Nandi wood shutters for doors with, stiles and rails of 35mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)(PWD SR 2021-22 Vol -II Pg 101 item no 12.18)								
	D	Sqm	2	0.9		2.1	3.78		
	Basic rate							4026.00	
	Area weightage 10%							402.60	
	Total						**3.78**	**4428.60**	**16740.11**
25	Providing and fixing fiber glass reinforced plastic(FRP) Door frames of cross-section 90mm x 45mm having single rebate of 32mm x 15mm to receive shutter of 30mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyrster resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frames shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame (PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 12.98)								
	D2	m	5	5.70			28.50		
	Basic rate							631.00	
	Area weightage 10%							63.10	
	Total						**28.50**	**694.1**	**19781.85**
26	Providing and fixing to existing door frames. 30mm thick glass fiber reinforced plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made ith fire-retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels conforming to IS:14856, including fixing to frames(PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 12.99.1)								
	D2	Sqm	5	0.75		2.1	7.88		
	Basic rate							3125.00	
	Area weightage 10%							312.50	
	Total						**7.88**	**3437.5**	**27070.31**
27	Painting wood work with Deluxe Multi Surface Paint of required shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @0.75 ltr/10 m² of approved brand and manufacture to give an even shade including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering and knotting , cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 46 item no 8.33.2)								
	D	sqm	2	6		0.1	1.2		
	Basic rate							105.00	
	Area weightage 10%							10.50	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total						1.20	115.50	138.60
28	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). (PWD SR 2021-22 Vol -II Pg 110 item no 12.85)								
	Ventilators	Sqm	2	0.75		0.6	0.9		
	Basic Rate							4870.00	
	Area weightage 10%							487.00	
	Total						0.9	5357	4821.3
29	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. (PWD SR 2021-22 Vol -II Pg 85 item no 11.34B)								
	Ventilators	Kg	2	0.90		9.45	17.01		
				21kg per sqm 0.75*0.6*21=9.45					
	Basic Rate							159.00	
	Area weightage 10%							15.9	
	Total						17.01	174.9	2975.05
30	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 47 item no 8.33.3)								
	Ventilators	Sqm	2	Ventilator qty			0.90		
	Basic rate							106.00	
	Area weightage 10%							10.60	
	Total						**0.90**	**116.60**	**104.94**
31	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) (PWD SR 2021-22 1st Corrigenda Vol II.Sl No.12.Item No 13.34).								
	Sintex								
		ltr	4000				4000.00		
		ltr	4000				4000.00		
	Basic rate							**8.00**	
	Area weightage 10%							**0.80**	
	Total						**8000.00**	**8.80**	**70400.00**
32	Supply and delivery of Centrifugal pumpset at site brand new best make and with discharge duty confirming to ISI standards and its latest amendments2 HP, Size 50x40 Head 22M, Discharge 186 LPM (PWD SR 2021-22 Vol V. Pg No. 164 .Item No 46.2)								
	motor	Each	1				1.00		
	Basic rate							17470.00	
	Area weightage 10%							1747.00	
	Total						**1.00**	**19217.00**	**19217.00**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
33	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid (PWD SR 2021-22 Vol II. PgNo.123.Item No14.2.1)								
	WC Pan	Each	3				3.00		
	Basic rate							**4026.00**	
	Area weightage 10%							**402.60**	
	Total						**3.00**	**4428.60**	**13285.80**
34	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :One urinal basin with 5 litre white P.V.C. automatic flushing cistern (PWD SR 2021-22 Vol II. PgNo.123.Item No14.4.1)								
	Urinals	Each	3				3.00		
	Basic rate							**3536.00**	
	Area weightage 10%							**353.60**	
	Total						**3.00**	**3889.60**	**11668.80**
35	PTMT grating 100 mm dia.(PWD SR 2021-22 Vol II. PgNo.A-26 Item No 470)								
	Grating	Each	8				8.00		
	Basic rate							**16.00**	
	Area weightage 10%							**1.60**	
	Total						**8.00**	**17.60**	**140.80**
36	White Vitreous china flat back wash basin 550x400 mm each 550.00 (PWD SR 2021-22 Vol II. PgNo A-32.Item No 674)								
	Wash Basin	Each	4				4.00		
	Basic rate							**550.00**	
	Area weightage 10%							**55.00**	
	Total						**4.00**	**605.00**	**2420.00**
37	Providing and fixing brass bib cock of approved quality : 20 mm nominal bore (PWD SR 2021-22 Vol II. PgNo 115.Item No 13.2.2)								
	Bib Cock	Nos.	8				8.00		
	Basic rate							**345**	
	Area weightage 10%							**34.50**	
	Total						**8.00**	**379.50**	**3036.00**
38	Providing and fixing brass stop cock of approved quality : 20 mm nominal bore (PWD SR 2021-22 Vol II. PgNo 115.Item No 13.3.2)								
	Stop Cock	Nos.	2				2.00		
	Basic rate							**345**	
	Area weightage 10%							**34.50**	
	Total						**2.00**	**379.50**	**759.00**
39	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore (PWD SR 2021-22 Vol II. PgNo 115.Item No 13.5.2)								
	Valve	Nos.	1				1.00		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate							**360**	
	Area weightage 10%							**36.00**	
	Total						**1.00**	**396.00**	**396.00**
40	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 20mm nominal dia pipes (PWD SR 2021-22 1st Corrigenda Vol II. SL No. 10 .Item No 13.32.2)								
	Pipe	m	40				40.00		
	Basic rate							**373**	
	Area weightage 10%							**37.30**	
	Total						**40.00**	**410.30**	**16412.00**
41	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS:13592 Type A, including jointing with seal ring conforming to IS:5382, leaving 10mm gap for thermal expansion, [i] single socketed pipes 100mm diameter (PWD SR 2021-22 1st Corrigenda Vol II. SL No. 27 .Item No 13.48)								
	Rain Water pipes	m	6.4				6.40		
	Basic rate							**253**	
	Area weightage 10%							**25.30**	
	Total						**6.40**	**278.30**	**1781.12**
42	Repair of pull and push type rolling shutters of made of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations the which ever parts unserviceable should be replace (Springs, wheels, Shaft & replace the leafs which corroded) new one with all necessary including cost of materials, labour, complete as per specifications ---- Including cost of all materials, with all lead,(PWD SR 2021-22 Vol -II Pg 184item no 20.114)								
	Rolling Shutter								
		Sqm	10	2.40		2.25	54.00		
	Basic rate							**465.00**	
	Area weightage 10%							**46.50**	
	Total						**54.00**	**511.50**	**27621.00**
43	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part I and M.S. top cover of required thickness for rolling shutters. 80x0.90 mm M.S. laths with 0.90 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.(PWD SR 2021-22 Vol -II Pg 76 item no 11.6.1)								
	Rolling Shutter	Sqm	5	2.4		2..25	12		
	Basic rate							**2510.00**	
	Area weightage 10%							**251.00**	
	Total						**12.00**	**2761.00**	**33132.00**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
44	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. (PWD SR 2021-22 Vol -II Pg 133 item no 15.1)								
	Terrace	Sqm	1	29.70	4.50		**133.65**		
	Basic rate							745.00	
	Area weightage 10%							74.50	
	Total						**133.65**	**819.50**	**109526.18**
45	Providing and laying water proofing treatment to the Water tanks & Liquid Retaining structures with two component acrylic polymer modified cementitious waterproofing membrane with minimum elongation of 50% applied @ 1.5 kg/m2 for internal side waterproofing in two layers with waiting period of 4-6 hrs per layer and food grade epoxy coating in two coats certified by CFTRI Mysuru, including surface preparation completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. (PWD SR 2021-22 Vol -II Pg 134 item no 15.6)								
	For sump								
	Bottom Slab	Sqm	1	3.3	3.3		10.89		
	Sump walls	Sqm	2	3.3		0.2	1.32		
		Sqm	2	3		0.2	1.2		
	Basic rate							455.00	
	Area weightage 10%							45.50	
	Total						**13.41**	**500.50**	**6711.71**
46	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications. (PWD SR 2021-22 Vol II Pg no 64 Item No 9.32)								
	Library Building Front								
		Sqm	1.00	27.50	3.50		96.25		
		Sqm	1.00	14.00	3.20		44.80		
		Sqm	1.00	17.80	2.10		37.38		
	Basic rate							**1145.00**	
	Area weightage 10%							**114.50**	
	Sub Total							**1259.50**	
	Total						**178.43**	**1259.50**	**224733.00**
	Electrical Connections								
47	Open conduit System: Supplying heavy gauge PVC conduit pipe ……dia confirming to IS 2509 with suitable size bends, plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using WF screws.a) 19/20mm dia 2mm thick (PWD Electrical SR 2021-22 Chapter I PgNo 1.Item No 1.1.1)								
		m	100				100.00		
	Basic rate							68	
	Total						**100.00**	**68.00**	**6800.00**

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Supplying and flush mounting teak wooden box without front plank, made of not less than 15mm thick wood, after due groove cutting, necessary masonry patch work complete. d)8''x6''x3''(203x152x76mm) (PWD Electrical SR 2021-22 Chapter 1 PgNo 2.Item No 1.6.4)								
		Each	10				10.00		
								75.00	
	Basic rate								
	Total						**10.00**	**75.00**	**750.00**
49	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixied on the exisiting plastic sheet /gang box, the pther end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each outlet. I. Point wiring using class A materials a) Short point upto 3Mtr from tapping point to out let via switch(PWD Electrical SR 2021-22 Chapter 2 PgNo 2.Item No 2.1.1)								
		Point	3				3.00		
								276.00	
	Basic rate								
	Total						**3.00**	**276.00**	**828.00**
50	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixied on the exisiting plastic sheet /gang box, the pther end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each outlet. I. Point wiring using class A materials b) Medium point above 3Mtr upto 6Mtr from tapping pointr to out let via switch(PWD Electrical SR 2021-22 Chapter 2 PgNo 3.Item No 2.1.2)								
		Each	4				4.00		
								386.00	
	Basic rate								
	Total						**4.00**	**386.00**	**1544.00**
51	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixied on the exisiting plastic sheet /gang box, the pther end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each outlet. I. Point wiring using class A materialsc)Long point above 6Mtr upto 10Mtr from tapping point to out let via switch (PWD Electrical SR 2021-22 Chapter 2 PgNo 3.Item No 2.1.3)								
		Each	4				4.00		
								567	
	Basic rate								
	Total						**4.00**	**567.00**	**2268.00**
52	Supplying 6A flush/projected type socket and a 6 amps flush/ projected type SP switch either surface/flush mounting in a exisiting gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. b) 6Amps 3/5 way (PWD Electrical SR 2021-22 Chapter 2 PgNo 5.Item No 3.1.2)								
		Each	2				2.00		
								143	
	Basic rate								
	Total						**2.00**	**143.00**	**286.00**
53	Wiring for lighting/power circuit using one of FLRS PVC insulated 1100v grade, multis and CopperWITH LOW conductor single core cable in open or consealed system of wiring.I Group A Materials.a) 1.5 sqmm (PWD Electrical SR 2021-22 Chapter 2 PgNo 3.Item No 2.3.2)								
		m	100				100.00		
								26	
	Basic rate								
	Total						**100.00**	**26.00**	**2600.00**

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Wiring for lighting/power circuit using one of FLRS PVC insulated 1100v grade, multis and CopperWITH LOW conductor single core cable in open or consealed system of wiring.I Group A Materials.b)2.5Sqmm (PWD Electrical SR 2021-22 Chapter 2 PgNo 3.Item No 2.3.3)								
		m	50				50.00		
								40	
	Basic rate						**50.00**	**40.00**	**2000.00**
	Total								
55	Wiring for lighting/power circuit using one of FLRS PVC insulated 1100v grade, multis and CopperWITH LOW conductor single core cable in open or consealed system of wiring.I Group A Materials.c) 4 sqmm (PWD Electrical SR 2021-22 Chapter 2 PgNo 3.Item No 2.3.4)								
		m	210				210.00		
								59	
	Basic rate						**210.00**	**59.00**	**12390.00**
	Total								
56	Supplying 4mm thick plastic sheet with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws (PWD Electrical SR 2021-22 Chapter 2 PgNo 6.Item No 3.8)								
		Sq cm	2500				2500.00		
								0.29	
	Basic rate						**2500.00**	**0.29**	**725.00**
	Total								
57	Supplying and fixing retrofit type -PL-LED lamp…W LED linear Source with CCT 6500 degree K, CRI>70%efficacy>80 lumen per watt,life>25000 burning hours and compliance to IS 10322/IEC 60598,LM 79 and LM80.The LED are driven by HF electroniedriver integrated in the system, with PF>0.95, power loss Should <5% of lam Wattage.,short Circuit and open circuit Protection to be integrated Circuit, THD less than 20%,life as per LM79.the operating input voltage should be between130 t 275 volts.Tested by NABL/CPRI accredited laboratory with 2 years Warranty agnist any manufacturing defect working under standard electrical condition.18-20Watts (PWD Electrical SR 2021-22 Chapter 11 PgNo 34.Item No 11.2.2)								
		Each	10				10.00		
								691	
	Basic rate						**10.00**	**691.00**	**6910.00**
	Total								
58	Supply wall mountaing fan suitable to operate of single phase -230v A.C supply 400mm sweep a.group A (PWD Electrical SR 2021-22 Chapter 6 PgNo 23.Item No 6.5.2)								
		Each	2				2.00		
								2838	
	Basic rate						**2.00**	**2838.00**	**5676.00**
	Total								
59	Supplying and fixing of T5 Fluorescent Tube with 14W power consumption with low 3mg Mercury content & below 40% glass content than T8 lamp & 20% less phosphor coating than T8 with initial lumen on 1350 (for 3000-6500 deg Kelvin). rated Avg life (12 Hr. Cycle) of greater than 35000 burring hours. Operating voltage range from 180V to 265V, 50Hz AC power Supply(PWD Electrical SR 2021-22 Chapter 12 PgNo 40.Item No 12.18.1)								
		Each	20				20.00		
								132	
	Basic rate						**20.00**	**132.00**	**2640.00**
	Total								
60	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with plank made out of not more than 2 pices and fixing the same to the wall using tapered inverted woode plug screws etc., a) 20"x20"2.5" (PWD Electrical SR 2021-22 Chapter 5 PgNo 10.Item No 5.6.6)								
		Each	12				12.00		

No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate							315	
	Total						**12.00**	**315.00**	**3780.00**
61	Supplying and fixing of Procelain fuse channel with cut out on exisiting wooden/panel using necessary nuts, bolts and washers etc., complete.a) 32Amps (PWD Electrical SR 2021-22 Chapter 5 PgNo 10.Item No 5.7.2)								
		Each	10				10.00		
	Basic rate							200	
	Total						**10.00**	**200.00**	**2000.00**
62	Supply of an load charge over switches 4poles 415v 50Hz A.C supply with AC23A duty a) up to 63amps Groups A (PWD Electrical SR 2021-22 Chapter 5 PgNo 11.Item No 5.11.1)								
		Each	5				5.00		
	Basic rate							5185	
	Total						**5.00**	**5185.00**	**25925.00**
63	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C type curve indicator ON/OFF Energy cross 3 with short circuit breaking capacity of 10K and complete wiring as required. e)6-32amps TPN . Group A (PWD Electrical SR 2021-22 Chapter 5 PgNo 13.Item No 5.17.9)								
		Each	4				4.00		
	Basic rate							2399	
	Total						**4.00**	**2399.00**	**9596.00**
64	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C type curve indicator ON/OFF Energy cross 3 with short circuit breaking capacity of 10K and complete wiring as required. 6-32amps TPN Group A (PWD Electrical SR 2021-22 Chapter 5 PgNo 13.Item No 5.17.7)								
		Each	4				4.00		
	Basic rate							1777	
	Total						**4.00**	**1777.00**	**7108.00**
65	Supplying, fixing and wiring Electronic Trivector Meter (ETV) 5 to 32/63 A three phase 4 wire whole current class-1 Accuracy Energy Meter.(PWD Electrical SR 2021-22 Chapter 5 PgNo 13.Item No 5.35)								
		Each	1				1.00		
	Basic rate							5125	
	Total						**1.00**	**5125.00**	**5125.00**

0	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
							Total Amount		2118334.66
							GST Charges (18% of estimated cost)		381300.2
							Miscellaneous and Rounding off		365.1
							Grand Total		2500000

CERTIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum

4) The estimate is based on S.R of 2021-2022, PWD Electrical 2021-22,PRED 2019-20, SE-RDED approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Administrative Approval

Accorded For 25.00 Lakhs.
Head of A/C...P:3726
CER NO :...72..... Dt:29/8/2022

TA

CE (WK)

Technical Sanction

Accorded For 25.00 Lakhs
Head of A/C...P:3726
CER NO :...82..... Dt:29/8/2022